State of New Jersey

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Bradley M. Campbell
Commissioner
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Thomas Tate, Vice President of Sales
ChemPro, LLC
P.O. Box 11
Newtown, PA 18940

Dear Mr. Tate:

The New Jersey Department of Environmental Protection (NJDEP) is pleased to certify Geotech, Inc. (Geotech) Cold Top Ex-Situ Vitrification System as an innovative environmental technology. This certification is based on the verification reports that were submitted by the United States Environmental Protection Agency (USEPA), and the New Jersey Institute of Technology (NJIT). This report is issued in accordance with the agreement between Geotech and the NJDEP, and the Energy and Environmental Technology Verification (EETV) Program at N.J.S.A. 13:1D-134 et seq. The EETV Program was developed by the New Jersey Legislature to promote the commercial use of innovative energy and environmental technologies. The verification reports identify the Cold Top Ex-Situ Vitrification System as an effective technology that reduces the hexavalent chromium in chromium-contaminated soil thus rendering the product non-hazardous and available for beneficial use.

Overall, the EETV Program encourages the development and commercial use of technology-based environmental and energy-related products, services, and systems that abate and prevent environmental pollution and promote energy conservation in a cost-effective manner. In addition, the mission of the NJDEP is to preserve, sustain, protect, and enhance the environment and ensure the integration of high environmental quality, public health, and economic vitality. Therefore, the performance data, sampling, and analytical methods relating to the technology, which was submitted, satisfy the intent of the EETV Program and the mission of the NJDEP. Also, in addition to reducing the hexavalent chromium to concentration levels that are non-hazardous, the once hazardous chromium-contaminated soil can now be used for making other products that may benefit other industries.

The NJDEP recognizes, as stated in the NJIT's report, that the vitrification process is potentially a viable alternative to the many ex-situ and in-situ physical, chemical, and biological treatment technologies to inhibit the reversion of the vitrified product back to its hexavalent form. However, to promote the Cold Top Ex-Situ Vitrification System as a viable remediation alternative, transportation of the contaminated soil to the vitrification site must be minimized to reduce CO_2, SO_2, and NO_x emissions. Furthermore, depending on the characteristics of the

contaminated soil, certain air pollution control systems should be in place to reduce or prevent the emission of dioxin, particulates, oxides of nitrogen, sulfur dioxide, carbon dioxide, carbon monoxide, etc. Before commencing any full-scale operation of the Cold Top Vitrification Process, Geotech must ensure that all applicable regulatory requirements relating to air, water, and site remediation are addressed, and the respective programs within the NJDEP contacted to ascertain the permits that are required to ensure the successful operation of the Cold Top Ex-Situ Vitrification System

An innovative energy or environmental technology that obtains a certification from the NJDEP qualifies for permitted acceptance for use in other States that are part of the Technology Acceptance Reciprocity Partnership (TARP). TARP is a workgroup established under the Environmental Council of States (ECOS) that has developed and implemented an interstate reciprocity agreement for innovative environmental technology acceptance. This reciprocity agreement defines a process whereby California (CA), Illinois (IL), Massachusetts (MA), New Jersey (NJ), New York (NY), Pennsylvania (PA), and Virginia (VA) adopted a common pathway for the reciprocal evaluation, acceptance and approval of environmental technologies. The TARP States have developed a tiered process to provide the necessary guidelines for developing technologies or processes that will be beneficial to the environment. As outlined in the Strategies Report and Tier I document, a technology that is developed according to the guidelines of a Tier II protocol and receives a certification to its verification as an innovative environmental technology within a TARP State can access the reciprocity process for interstate technology acceptance.

Presently, there is no Tier II protocol that provides guidelines to qualify the Cold Top Ex-Situ Vitrification System of Geotech Inc., for reciprocity acceptance in other TARP States. However, the NJDEP will assist in a facilitated exchange of information among the TARP States and the ECOS Interstate Technology and Regulatory Cooperation (ITRC) work group to promote acceptance of the Cold Top Ex-Situ Vitrification System.

Congratulations on obtaining a certification from the NJDEP for your Cold Top Ex-Situ Vitrification System. If you have any questions, please contact Michael Winka, Administrator, of the Office of Innovative Technology and Market Development at (609) 984-5418.

Sincerely,

Bradley M. Campbell
Commissioner

Enclosure

c: Evan Van Hook, Assistant Commissioner, Site Remediation
Sam Wolfe, Assistant Commissioner, Environmental Regulation
Jeanne Herb, Director, Office of Policy, Planning, and Science
Martin Rosen, Director, Division of Science, Research, and Technology